

CLAIMS

What is claimed is:

1. An eyecup for use with eyewear, said eyecup comprising a front surface adapted to mate with a frame portion of said eyewear, and a rear contoured surface which is shaped to substantially contact an area of the face of the wearer, said area comprising the bone structure proximate the eyes of the wearer.
2. The eyecup of claim 1, wherein the contour portion comprises foam that conforms to the contour of the bone structure of the face of the wearer.
3. The eyecup of claim 2, wherein the foam comprises an open cell air permeable foam.
4. The eyecup of claim 2, wherein the foam comprises a closed cell foam.
5. The eyecup of claim 1, wherein the contour portion comprises a coating to provide a seal against the face of the wearer.
6. The eyecup of claim 5, wherein the coating comprises semi-rigid material.
7. The eyecup of claim 6, wherein the semi-rigid material comprises silicone.
8. The eyecup of claim 2, wherein the foam comprises two separate pieces.
9. The eyecup of claim 2, wherein the foam comprises one piece.
10. The eyecup of claim 1, further comprising ventilation apertures formed between the front surface and the contour portion.
11. The eyecup of claim 10, wherein the ventilation apertures comprise a filter.

12. The eyecup of claim 11, wherein the filter comprises a foam material.
13. The eyecup of claim 1, wherein the front surface comprises a mounting means which engage with grooves in the frame to secure the eyecup to the frame.
14. The eyecup of claim 1, further comprising a lens mounted therein.
15. The eyecup of claim 14, further comprising a sealing gasket between the lens in the eyecup and a lens mounted in the frame.
16. The eyecup of claim 14, wherein the lens in the frame is a plano lens.
17. The eyecup of claim 14, wherein the lens in the frame is polarized.
18. The eyecup of claim 1, wherein the eyecup is fixedly attached to the eyewear.
19. The eyecup of claim 1, wherein the eyecup is removably attached to the eyewear.